PART B - FEE(S) TRANSMITTAL Mail Stop ISSU Complete and send this form, together w a = 0pplicable fee(s), to: Mail **Commissioner for Patents** P.O. Box 1450 APR 2 5 2005 Alexandria, Virginia 22313-1450 (703) 746-4000 or Fax INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated links corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 02/17/2005 7590 Certificate of Mailing or Transmission Steven M. Mills I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below. MILLS & ONELLO LLP Suite 605 Eleven Beacon Street Chelsey Davis Boston, MA 02108 (Signature) 05 FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. FILING DATE APPLICATION NO. Young-Kyun Cho SAM-0496 10/693,235 10/24/2003 TITLE OF INVENTION: DIFFERENTIAL CHARGE PUMP AND METHOD THEREFOR, AND PHASE LOCKED LOOP AND METHOD THEREFOR USING THE PUMP AND METHOD **SMALL ENTITY** ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE APPLN. TYPE NO \$1400 \$300 \$1700 05/17/2005 nonprovisional **CLASS-SUBCLASS EXAMINER** ART UNIT 2816 327-157000 TRA, ANH QUAN 1. Change of correspondence address or indication of "Fee Address" (37 2. For printing on the patent front page, list 1 MILLS & ONELLO LLP CFR 1.363). (1) the names of up to 3 registered patent attorneys ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is Tree Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer listed, no name will be printed. Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE 01 FC:1501 Republic of Korea 02 FC:1504 Samsung Electronics Co., Ltd. 300.00 OP 03 FC:8001 30.00 OP ☐ Individual ☐ Corporation or other private group entity ☐ Government Please check the appropriate assignee category or categories (will not be printed on the patent): 4b. Payment of Fee(s): 4a. The following fec(s) are enclosed: Issue Fee A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Advance Order - # of Copies (enclose an extra copy of this form). Deposit Account Number 5. Change in Entity Status (from status indicated above) ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

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36,610

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Attorney Docket No.: SAM-0496

Customer No.: 29344



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Young-Kyun Cho

U.S. Serial No.:

10/693,235

Filing Date:

October 24, 2003

Examiner:

Tra, A. Q.

Group Art Unit:

2816

Date of Notice of Allowance: February 17, 2005

Title:

DIFFERENTIAL CHARGE PUMP AND METHOD THEREFOR,

AND PHASE LOCKED LOOP AND METHOD THEREFOR

USING THE PUMP AND METHOD

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

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Chelsey Davis

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P.O. Box 1450

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TRANSMITTAL LETTER

Sir:

Enclosed herewith for filing in the above-identified patent application please find the following:

- 1. Fee(s) Transmittal PTOL-85;
- Check in the amount of \$1,730.00 to cover Issue Fee, ten (10) advance-order copies of the 2. printed patent and the Publication Fee; and
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In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 50-1798. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,

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